



Serial No.: 09/682,502  
Confirmation No.: 7905  
Applicant: DANIELSSON, Mats  
Atty. Ref.: 06730.0010.NPUS00

**REMARKS:**

**REMARKS REGARDING CLAIM AMENDMENTS AND EXAMINER'S REJECTIONS:**

The two independent claims, namely claims 1 and 3 have been amended to further recite that measures of the claimed acute angle "range from approximately three degrees to approximately ten degrees thereby assuring achievement of x-ray energy detection efficiency ranging from approximately 90 percent to approximately 85 percent, respectively." Support for this limitation is found at least in paragraph [0024] of the application as originally filed.

As acknowledged by Examiner, Nelson '453 "does not disclose the particular angle of orientation as being less than about ten degrees," but Examiner does allege that Nelson '453 discloses possible off-set orientations of between 0 and 90 degrees to horizontal, and characterizes the choice of "the particular angle between 0 and 90 degrees [as] being a matter of routine design choice within the skill of a person of ordinary skill in the art depending on the needs of the particular application and the optimal apparent thickness desired." Applicant hereby traverses these assertions.

Applicant now recites a specific measurement range for the claimed acute off-set angle (approximately three degrees to approximately ten degrees), and the unexpected results (achievement of x-ray energy detection efficiency ranging from approximately 90 percent to approximately 85 percent, respectively) that flow therefrom. Therefore, the criticality of the claimed range is recited and factual supported. Accordingly, the patentability of the claims, as now recited, is proper pursuant to *In re Woodruf*, 919 F2d 1575 (Fed. Cir. 1990).

In that all other pending claims depend either directly or indirectly from independent claim 1 or 3, those dependent claims are also asserted by Applicant as being allowable.



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The undersigned representative requests any extension of time that may be deemed necessary to further the prosecution of this application – small entity status still being claimed.

The undersigned representative authorizes the Commissioner to charge any additional fees under 37 C.F.R. 1.16 or 1.17 that may be required, or credit any overpayment, to Deposit Account No. 08-3038, referencing Order No. 06730.0010.NPUS00.

In order to facilitate the resolution of any issues or questions presented by this paper, the Examiner should directly contact the undersigned by phone to further the discussion.

Respectfully submitted,

Tracy W. Druce  
Patent Attorney  
Reg. No. 35,493  
Tel. 202.383.73980